



Powersure[®]

H07RN-F

Thermosetting Rubber Insulated and Sheathed Flexibles



Manufactured to BS EN 50525-2-21:2011 Clause 4.3 and 4.4

Annealed Flexible Copper Conductor / Thermosetting Rubber (Type EI7) Insulated / Thermosetting Rubber (Type EM2) Sheathed. 450/750V

Conductor:	Plain Annealed Copper, Class 5 Flexible to BS EN 60228
Insulation:	EI7 Type Rubber (EPR) to BS EN 50363-1
Outer Sheath:	EM2 Type Elastomer to BS EN 50363-2-1

Current Ratings: For current ratings refer to table 4F1 and 4F3 of BS7671 IET Wiring Regulations.

These cables are designed to provide high flexibility and have the capacity to withstand harsh weather conditions, oil and greases, mechanical and thermal stress - therefore these cables are well suited for use in harsh industrial conditions.

Applications include handling equipment, mobile power supplies, worksites, stage and audio visual equipment and also port and dam areas. Due to the cables suitability for submersion under water it is also used for drainage and water treatment, cold or refrigerated environments and severe industrial environments.

STANDARD CORE COLOURS



**MINIMUM
OPERATING
TEMPERATURE**

-30°C



**MAXIMUM
OPERATING
TEMPERATURE**

**60°C
85°C max**



**MINIMUM
BENDING
RADIUS**

6xØ

The British Cable Company You Can Trust



Sales Office: Millfield Industrial Estate, Arksey Lane, Bentley, Doncaster, South Yorkshire, DN5 0SJ
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Reference Number	Harmonisation Code	Nominal Cross Sectional Area of Conductor	Nominal Stranding of Conductor (mm)	Nominal Radial Thickness of Insulation (mm)	Nominal Radial Thickness of Sheath (mm)	Overall Diameter Lower Limit (mm)	Overall Diameter Upper Limit (mm)	Approximate Weight (kg/km)
H07RNF6.01C	H07RN-F	6.0	84/0.3	1.0	1.6	7.9	9.8	130
H07RNF7101C	H07RN-F	10.0	80/0.4	1.2	1.8	9.5	11.9	190
H07RNF7161C	H07RN-F	16.0	126/0.4	1.2	1.9	10.8	13.4	259
H07RNF7251C	H07RN-F	25.0	196/0.4	1.4	2.0	12.7	15.8	396
H07RNF7351C	H07RN-F	35.0	276/0.4	1.4	2.2	14.3	17.9	520
H07RNF7501C	H07RN-F	50.0	396/0.4	1.6	2.4	16.5	20.6	719
H07RNF7701C	H07RN-F	70.0	360/0.5	1.6	2.6	18.6	23.3	947
H07RNF7951C	H07RN-F	95.0	475/0.5	1.8	2.8	20.8	26.0	1230
H07RNF81201C	H07RN-F	120.0	608/0.5	1.8	3.0	22.8	28.6	1445
H07RNF81501C	H07RN-F	150.0	756/0.5	2.0	3.2	25.2	31.4	1887
H07RNF81851C	H07RN-F	185.0	925/0.5	2.2	3.4	27.6	34.4	2274
H07RNF82401C	H07RN-F	240.0	1221/0.5	2.4	3.5	30.6	38.3	2955
H07RNF1.02C	H07RN-F	1.0	32/0.2	0.8	1.3	7.7	10.0	99
H07RNF1.52C	H07RN-F	1.5	30/0.25	0.8	1.5	8.5	11.0	130
H07RNF2.52C	H07RN-F	2.5	50/0.25	0.9	1.7	10.2	13.1	195
H07RNF4.02C	H07RN-F	4.0	56/0.3	1.0	1.8	11.8	15.1	280
H07RNF6.02C	H07RN-F	6.0	84/0.3	1.0	2.0	13.1	16.8	360
H07RNF1.03C	H07RN-F	1.0	32/0.2	0.8	1.4	8.3	10.7	125
H07RNF1.53C	H07RN-F	1.5	30/0.25	0.8	1.6	9.2	11.9	155
H07RNF2.53C	H07RN-F	2.5	50/0.25	0.9	1.8	10.9	14.0	235
H07RNF4.03C	H07RN-F	4.0	56/0.3	1.0	1.9	12.7	16.2	305
H07RNF6.03C	H07RN-F	6.0	84/0.3	1.0	2.1	14.1	18.0	495
H07RNF7103C	H07RN-F	10.0	80/0.4	1.2	3.3	19.1	24.2	810
H07RNF7163C	H07RN-F	16.0	126/0.4	1.2	3.5	21.8	27.6	1000
H07RNF7253C	H07RN-F	25.0	196/0.4	1.4	3.8	26.1	33.0	1250
H07RNF7353C	H07RN-F	35.0	276/0.4	1.4	4.1	29.3	37.1	1850

Weight and dimensional information is provided as an approximate guide only.

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H07RNF1.54C	H07RN-F	1.5	30/0.25	0.8	1.7	10.2	13.1	190
H07RNF2.54C	H07RN-F	2.5	50/0.25	0.9	1.9	12.1	15.5	280
H07RNF4.04C	H07RN-F	4.0	56/0.3	1.0	2.0	14.0	17.9	380
H07RNF6.04C	H07RN-F	6.0	84/0.3	1.0	2.3	15.7	20.0	510
H07RNF7104C	H07RN-F	10.0	80/0.4	1.2	3.4	20.9	26.5	940
H07RNF7164C	H07RN-F	16.0	126/0.4	1.2	3.6	23.8	30.1	1250
H07RNF7254C	H07RN-F	25.0	196/0.4	1.4	4.1	28.9	36.6	1850
H07RNF7354C	H07RN-F	35.0	276/0.4	1.4	4.4	32.5	41.1	2310
H07RNF7504C	H07RN-F	50.0	396/0.4	1.6	4.8	37.7	47.5	3160
H07RNF7704C	H07RN-F	70.0	360/0.5	1.6	5.2	42.7	54.0	4250
H07RNF1.55C	H07RN-F	1.5	30/0.25	0.8	1.8	11.2	14.4	230
H07RNF2.55C	H07RN-F	2.5	50/0.25	0.9	2.0	13.3	17.0	340
H07RNF4.05C	H07RN-F	4.0	56/0.3	1.0	2.2	15.6	19.9	470
H07RNF6.05C	H07RN-F	6.0	84/0.3	1.0	2.5	17.5	22.2	630
H07RNF7105C	H07RN-F	10.0	80/0.4	1.2	3.6	22.9	29.1	1150
H07RNF7165C	H07RN-F	16.0	126/0.4	1.2	3.9	26.4	33.3	1540
H07RNF7255C	H07RN-F	25.0	196/0.4	1.4	4.4	32.0	40.4	2200
H07RNF7355C	H07RN-F	35.0	276/0.4	1.4	4.6	35.7	45.1	2700
H07RNF1.57C	H07RN-F	1.5	30/0.25	0.8	2.6	14.7	18.7	320
H07RNF2.57C	H07RN-F	1.5	50/0.25	0.8	2.8	17.1	21.8	470
H07RNF1.512C	H07RN-F	1.5	30/0.25	0.8	2.9	17.6	22.4	450

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